skytec

USER MANUAL
150.349

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1. INTRODUCTION

- 14 gobos
- shutter+ dimmer
- 10 colors+ white
- pan scanning 180°
- Roller Tilt can rotation
- DMX-512 control, 6 DMX channels
- Master/slave mode
- Sound activated

2. SAFETY WARNING

- Reading user manual before connecting or operating the fixture
- Keep these instruction
- Heed all warnings
- Follow the instruction
- Always completely disconnect the fixture from electric and allow to cool for 15 minutes

when Replacing the lamp or fuse

- Do not use this fixture near water
- Do not block fan or exhaust vents
- Do not install near heat sources such as radiators, heat registers, stoves or other apparatus that produce heat
- Unplug the apparatus when unused for long periods of time
- Refer all servicing to qualified service personnel
- Ambient temperature should not exceed 40℃

3 INSTALLATON AND SET UP

3.1 To hang the fixture, install a "C" or "S" clamp to the yoke through the 1/2" hole, the head is now ready for permanent installation. Hang the unit and position it as necessary and tighten the hex bolt. When the required angle is reached, lock the effect with the thumbscrew. .

CAUTION:
- Do not mount the unit near curtains or any flammable objects
- Use for indoor only
- Suitable data cable conforming to the DMX standard (USITT DMX512/1990) must be used to connect the fixture in series

3.2 Replacing the lamp

3.2.1 Unplug the fixture completely from the electrical outlet and wait for 15 minutes for cooling

3.2.2 Unscrew the fixing screw of the lamp widow cover on the rear of the unit.

3.2.3 Taking the lamp and sole out of the unit body gently

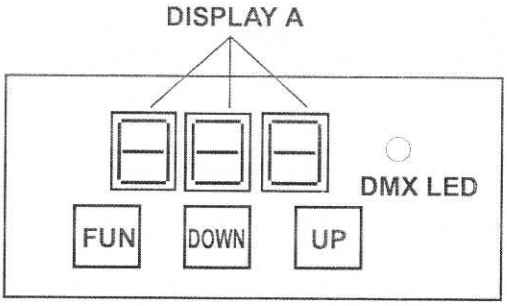
3.2.4 Insert the new same typical lamp in the socket

3.2.5 Place the new lamp and sole into the unit and then fasten the lamp window cover screws

4. OPERATION

4.2 How to select functions:

on the projector's front panel of the srl133,yor will find a section dedicated to the projector setting and accessory functions.



See fig.1 all the operations are executed by means of push-buttons **fun ,down , up.**

By repeatedly pushing **fun** you can select the desired function ,indicated on the display **A.**

No.	Display led **A**	Function
1	001~506	DMX address, press **down** or **up** can change DMX address.
2	C00~C15	Built-in program of **sound** mode, press **down** or **up** can change built-in program of **sound** mode.
3	A00~A15	Built-in program of **auto** mode, press **down** or **up** can change built-in program of **auto** mode.
4	o-d/s/A	Run mode , press **down** or **up** can change run mode: **d** is **DMX RECEIPT** mode ,**s** is **sound** mode, **A** is **auto** mode.
5	U-1~8	Auto speed, press **down** or **up** can change auto speed.
6	d-F/n	Assignment of PAN and TILT, press **down** or **up** can change Assignment of PAN and TILT: **F** is 1.PAN 2.TILT; **n** is 1.TILT 2.PAN.
7	P-F/n	Direction for the PAN channel, press **down** or **up** can change Direction for the PAN channel: **F** is normal **n** is opposite
8	t-F/n	Direction for the TILT channel, press **down** or **up** can change Direction for the TILT channel: **F** is normal **n** is opposite

RUN MODE:

O-d is DMX RECEIPT MODE ,o-s is sound mode ,o-a is auto mode. If no pressing button of times more than 10 second, Display A dedicated run stats**. sound mode and auto mode has functions of master/slave.**

4.2.1 DMX RECEIPT MODE:

If run mode is o-d, the unit is DMX RECEIPT mode. If no pressing button, the display A dedicated DMX address (001~506).

When the unit receive to DMX data, DMX led lighting.

When the unit is slave on master/slave, run mode of the unit must DMX RECEIPT mode.

4.2.2 Master/Slave mode

Master fixture: run mode is auto mode (o-A), if no pressing button, the display A

dedicated built-in program in auto mode (A00~A15).

When the unit is auto mode, the unit run build-in program in auto mode, the speed of running built-in program is make up **auto speed**

Slave fixture: run mode is DMX RECEIPT mode (o-d).

the speed of running built-in programs in auto mode, following relation table:

No	Display A	Second/step
1	U-1	2
2	U-2	3/2
3	U-3	1
4	U-4	3/4
5	U-5	1/2
6	U-6	3/8
7	U-7	2/5
8	U-8	1/4

- **Sound mode**

Master fixture: run mode is sound mode (o-s), if no pressing button, the display A dedicated built-in program in auto mode (C00~C15).

When the unit is auto mode, the unit run build-in program in auto mode, the speed of running built-in program is make up **auto speed**

Slave fixture: run mode is DMX RECEIPT mode (o-d).

Notes:

When Master/Slave mode , master fixture send 48 channels DMX date to slave fixtures. If the address of slave fixtures is 1、7、13、19、25、31、37、43, following table with the relation between the master fixture and the slave fixtures.

No	Slave address	Slave channel	Master/slaver relation
1	01	1、2、3、4、5、6	Same
2	07	7、8、9、10、11、12	TILT 、gobo 、color 、shutter 、parabolic reflector is same PAN is inversion
3	13	13、14、15、16、17、18	gobo 、color 、shutter 、parabolic reflector is same TILT、PAN is inversion

4	19	19、20、21、22、23、24	gobo 、 color 、 shutter 、 parabolic reflector 、 PAN is same TILT is inversion
5	25	25、26、27、28、29、30	Gobo、shutter、parabolic reflector、pan、tilt is same Color is the different
6	31	31、32、33、34、35、36	color、shutter、parabolic reflector is pan、tilt is same gobo is the different
7	37	37、38、39、40、41、42	shutter、parabolic reflector is pan、tilt is same Color、gobo is the different
8	43	43、44、45、46、47、48	Gobo、shutter、parabolic reflector、color、tilt is same PAN 、TILT is stop。

- **Channels and digital values:**

CHANNEL 1 SHUTTER/DIMMER

0-10 SHUTTER CLOSED

11-129 DIMMER(CLOSE-OPEN)

130-209 SHUTTER(FAST TO SLOW)

210-219 shutter closed

220-229 stand-alone music trig

230-239 stand-alone auto trig

240-249 Reset (hold for>10 seconds)

250-255 lamp off(when set for>20 seconds & channel 3&4 >252)

CHANNEL 2 parabolic reflector

0-11 NO ROTATION

12-119 C.W. ROTATION(slow to fast)

120-136 NO ROTATION

137-243 C.C.W. ROTATION(fast to slow)

244-255 NO ROTATION

CHANNEL3 color

NO.	VALUE	FUNCTION
1	0-5	OPEN
2	6-11	OPEN/COLOR1
3	12-17	COLOR1
4	18-23	COLOR1/COLOR2
5	24-29	COLOR2
6	30-35	COLOR2/COLOR3

7	36-41	COLOR3
8	42-47	COLOR3/COLOR4
9	48-53	COLOR4
10	54-59	COLOR4/COLOR5
11	60-65	COLOR5
12	66-71	COLOR5/COLOR6
13	72-78	COLOR6
14	79-83	COLOR6/COLOR7
15	84-89	COLOR7
16	90-95	COLOR7/OPEN
17	96-101	OPEN
18	102-169	Color rotation (fast to slow)
19	170-175	No rotation
20	176-243	Twinkle rotation(fast to slow)
21	244-249	No rotation
22	250-255	Color by stand-alone music trig

CHANNEL 4 GOBO

No.	value	function
1	0-10	Open
2	11-22	Gobo1
3	23-34	Gobo2
4	35-46	Gobo3
5	47-58	Gobo4
6	59-70	Gobo5
7	71-82	Gobo6
8	83-94	Gobo7
9	95-106	Gobo8
10	107-118	Gobo9
11	119-131	Gobo10
12	132-142	Gobo11
13	143-154	Gobo12
14	155-169	Gobo13
15	170-239	Wheel rotation (fast to slow)
16	240-249	No rotation
17	250-255	Gobo by stand-alone music trig

.CHANNEL5 pan(X)

CHANNEL 6 TILT(Y)

0-11	NO ROTATION
12-119	C.W. ROTATION(slow to fast)
120-136	NO ROTATION
137-243	C.C.W. ROTATION(fast to slow)
244-255	NO ROTATION

5.FUNCTION OF EASY CONTROLLER

Easy controller can use as run mode. When easy controller running (red LED or green LED light/flash), display A dedicated run stats .

Function of easy controller:

No.	Button	Red LED	Green LED	Display A(the fixture)	**Function**
1	STAND BY	light	Black out	---	Press STAND BY button, red LED light, the unit will go to black out status . Press STAND BY button again, red LED black out, the unit will go to before status.
2	AUTO	Black out	Light	A00~A63	When red LED black out , Press AUTO button, green LED the unit will go to AUTO status, running built-in program ,running speed is 1SEC/STEP.. Press AUTO button again, green LED black out, the unit will go to before status.
3	SOUND	Black out	Flash	C00~C63	When red LED black out , Press SOUND button, green LED flash ,the unit will go to SOUND status, running built-in program. Press SOUND button, green LED black out, the unit will go to before status。

6 MAINTENANCE AND CLEANING

FAULT	CHECK
Fixture does not turn on	Check power line connection and fuse if still not functiong, return to your service depot
Output power seems low	Check the mirror and the (removable) front lens is clean.
Fixture does not respond to DMX signal	Check the control cable from the controller and along the chain. look for bad connection, bad cable. Check that pin 1 goes to pin 1,2 to 2 and 3 to 3,Check that terminator plug is fitted at the end of chain (100 ohm across pins 2 & 3 of XLR connector) Check the DMX address is set to the required channel
Fixture loses position on one or more of its functions	Check the motors can move freely and are not hindered at all, else call the service center for further instructions

The head does not respond to the music in sound or controller sound activated strobe	Check that the unit is close enough to a mid range sound source .Try gently tapping the MIC to see if it responds .if so move close to audio

7 TECHNICAL DATA

Lamp: HSD 24V 250W

Motor: 6micro-stepping motors 1.8/step

Gobo: 14obos

color: 10 color+white

Pan: 180°

Roller Tilt :can rotation

Cooling method: fan cooling

Size: 555x505x225 mm

Weight: 15.0kgs